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From the INTERNATIONAL BUREAU **PCT Assistant Commissioner for Patents** NOTIFICATION OF ELECTION United States Patent and Trademark (PCT Rule 61.2) Office **Box PCT** Washington, D.C.20231 ÉTATS-UNIS D'AMÉRIQUE Date of mailing (day/month/year) in its capacity as elected Office 10 August 1999 (10.08.99) Applicant's or agent's file reference International application No. KHGL-0001WO PCT/US99/00465 International filing date (day/month/year) Priority date (day/month/year) 08 January 1998 (08.01.98) 08 January 1999 (08.01.99) **Applicant** HOFFMAN, Keith, B. et al 1. The designated Office is hereby notified of its election made: | X | in the demand filed with the International Preliminary Examining Authority on: 22 July 1999 (22.07.99) in a notice effecting later election filed with the International Bureau on: 2. The election was not made before the expiration of 19 months from the priority date or, where Rule 32 applies, within the time limit under Rule 32.2(b).

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(54) Title: USE OF SERINE PROTEASE INHIBITORS TO INHIBIT PATHOPHYSIOLOGY AND NEUROPATHOLOGY IN A HOST

(57) Abstract

Methods are provided for inhibiting cell adhesion molecule cleavage in brain tissue of a host. In the subject methods, an effective amount of a protease inhibitor, particularly serine protease inhibitors, such as those that inhibit tPA and related proteases, is administered to the host. The subject methods find use in the treatment and prevention of pathophysiology and neuropathology in a host, such as the treatment of a variety of pathological conditions resulting from pathophysiology and/or excitotoxicity. Specific pathological conditions in which the subject methods find use include epilepsy (and related seizure states) and neuronal damage associated with excessive glutamate activity, e.g. resulting from an acute event such as hypoxia, head trauma or stroke.

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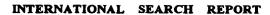
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INTERNATIONAL SEARCH REPORT

International application No. PCT/US99/00465

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	ocumentation searched (classification system followe	ed by classification symbols)				
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Documentat	Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched					
Electronic d	ata base consulted during the international search (n	ame of data base and, where practicable,	search terms used)			
	MPOUNDS AND METHODS OF USE	•	·			
C. DOC	UMENTS CONSIDERED TO BE RELEVANT					
Category*	Citation of document, with indication, where a	ppropriate, of the relevant passages	Relevant to claim No.			
Chemical Abstracts, volume 121, number 13, issued 26 September 1994, FRIEDRICH, T. "Treatment of neurodegenerative diseases with thrombin inhibitors", page 117, abstract no. 149109s, Ger. Offen. DE 4,303,646, 11 August 1994, see entire abstract.						
Y	Chemical Abstracts, volume 11, iss PINSKY et al, "Peptidase inhibit withdrawal signs, including seizure a abstract no 85256p, Brain Res., Vol. entire abstract.	ors reduce opiate narcotic ctivity, in the rat." page 99,	1-24			
X Further documents are listed in the continuation of Box C. See patent family annex.						
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International application No. PCT/US99/00465

Category*	Citation of document, with indication, where appropriate, of the releva	nt passages	Relevant to claim No
Y	Chemical Abstracts, volume 76, number 11, issued 13 M KAZMIROWSKI et al, "Irreversible enzyme inhibitors", abstract no. 59218z, Ger. (East) 81,393, 20 April 1971, abstract.	Relevant to claim No	
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